

TITLE

MICROBEAD IMMOBILIZATION OF ENZYMES

ABSTRACT

Hydrocolloid gel beads containing enzymes immobilized therein are useful for catalyzing organic transformations in non-aqueous media. The enzyme is imbibed into a dehydrated hydrocolloid polymer gel bead. The resulting enzyme-laden bead may be dehydrated, if desired. A preferred hydrocolloid is carrageenan, especially kappa carrageenan. The resulting hydrocolloid gel beads are particularly adapted for catalyzing asymmetric transformations.